

ABSTRACT OF THE DISCLOSURE

A rotor having magnets composed of rare-earth magnets is rotatably disposed inside an exterior casing, a penetrating aperture is disposed through a first end of the exterior casing relative to a direction of a motor central axis, and a filter is disposed so as to cover the penetrating aperture from a second end of the exterior casing relative to the direction of the motor central axis. A shaft is mounted to a bush by screwing an external thread portion into an internal thread portion. An operating member is mounted integrally onto a second end portion of the shaft projecting outward from a penetrating aperture in a housing. A rotation-regulating projection portion of a guide member fixed to the shaft is fitted loosely into a guide groove disposed so as to extend along an inner wall surface of a central aperture of the housing in the direction of the motor central axis.